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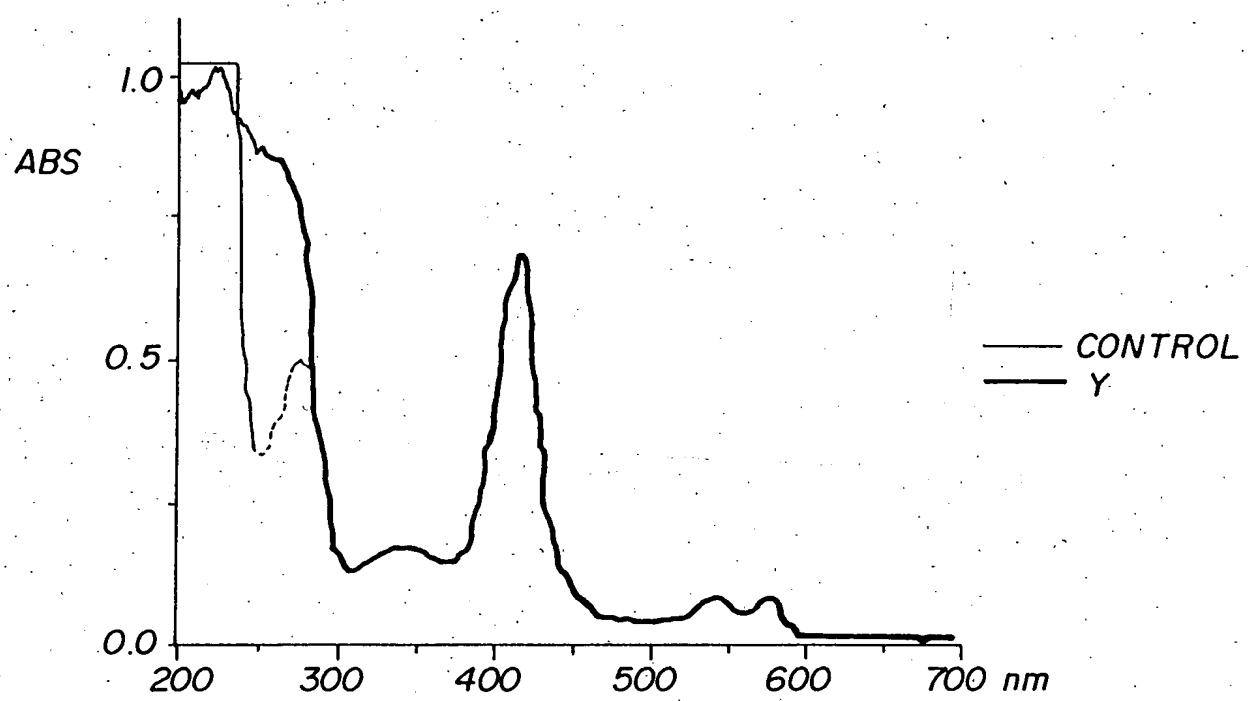


Fig. 1

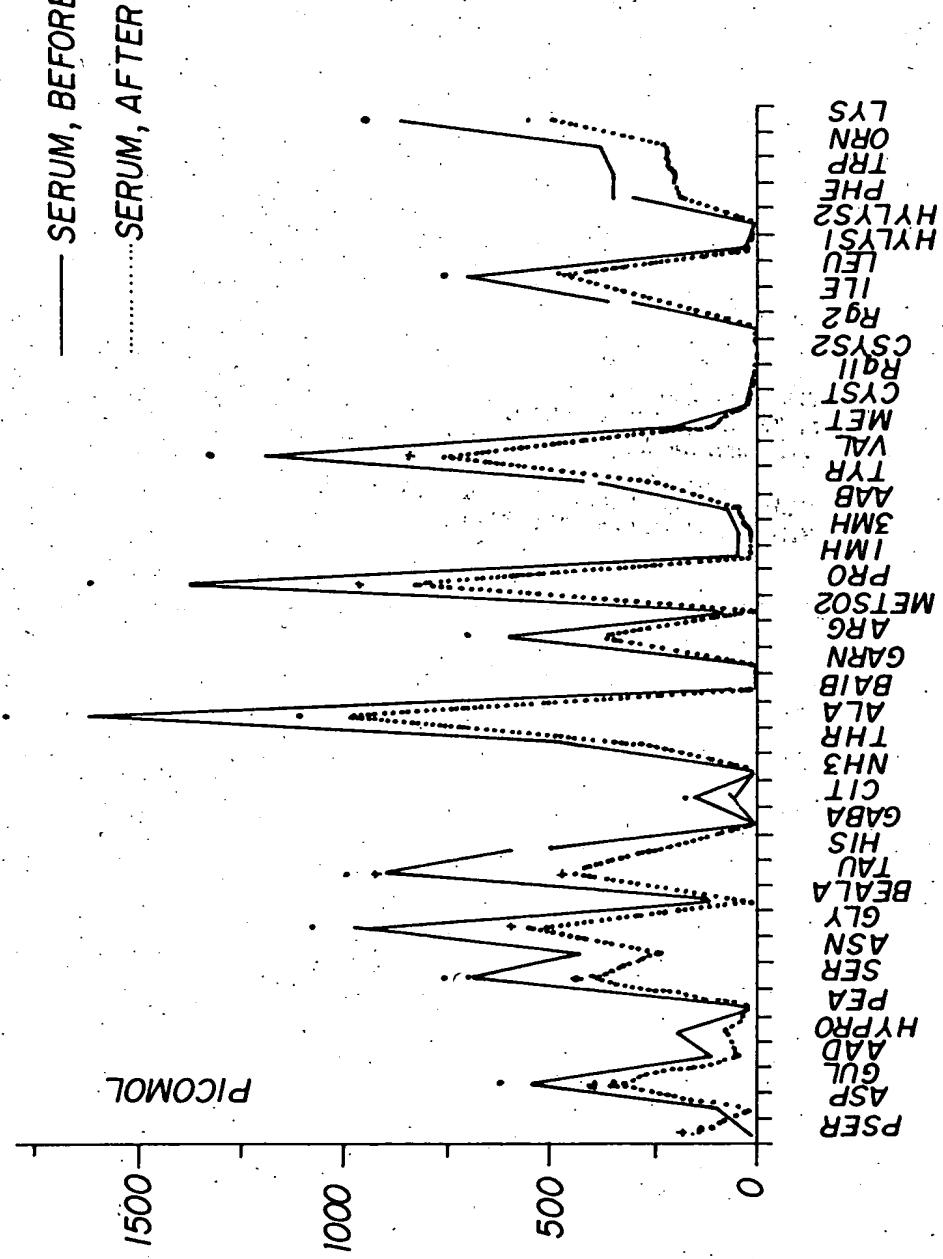


Fig. 2(a)

Fig.2(b)

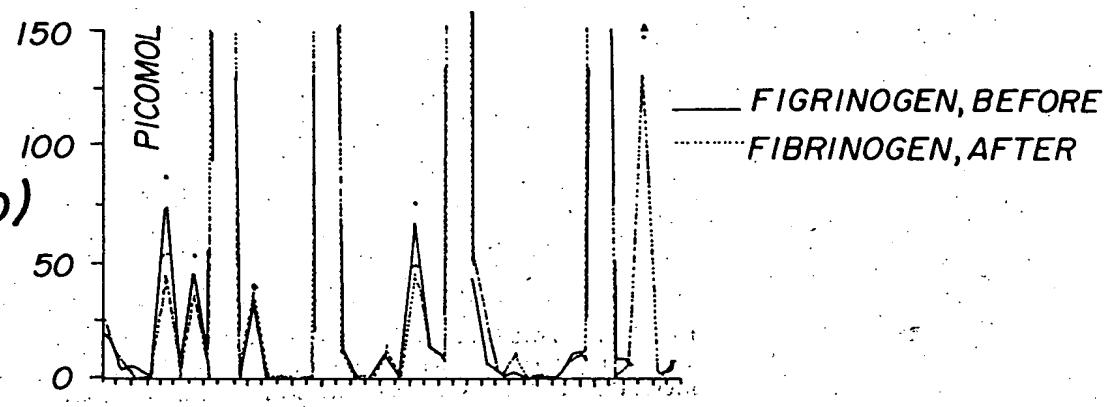
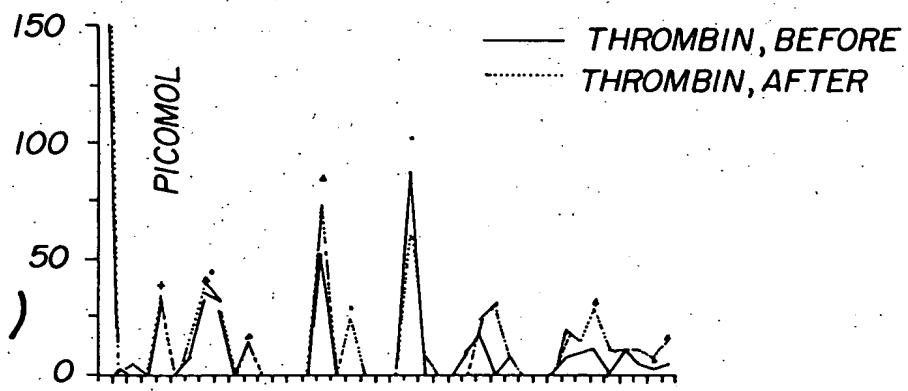


Fig.2(c)



NON-TREATED

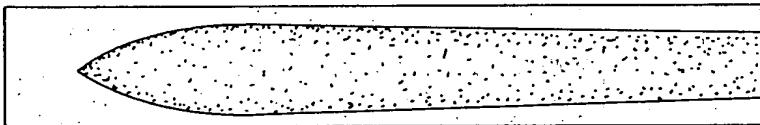


Fig. 3a

TREATED

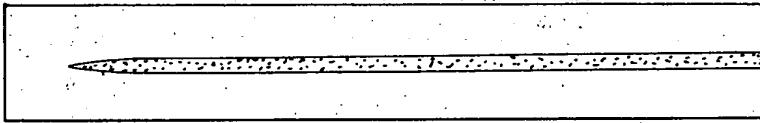


Fig. 3b

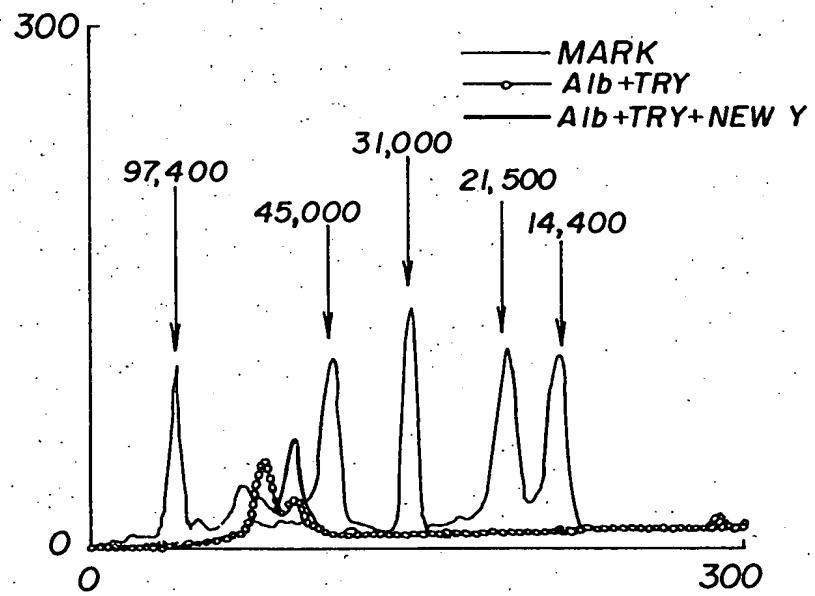
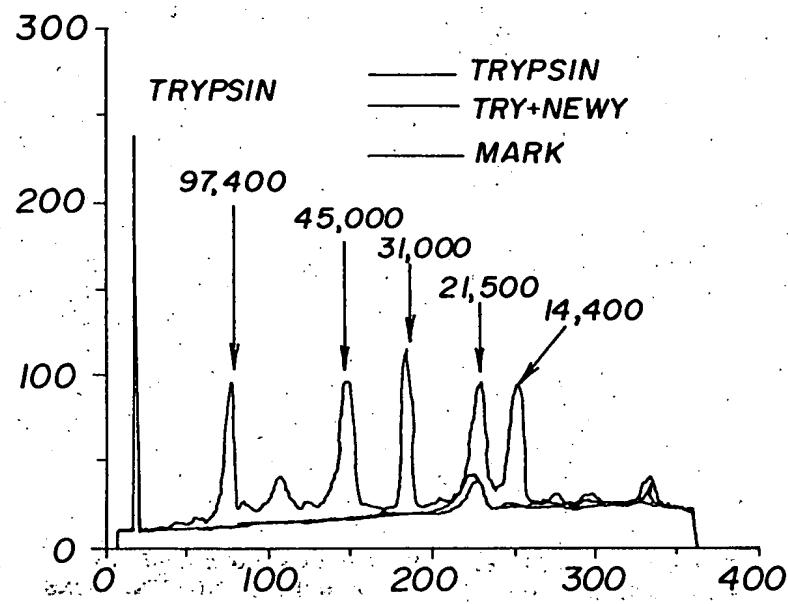
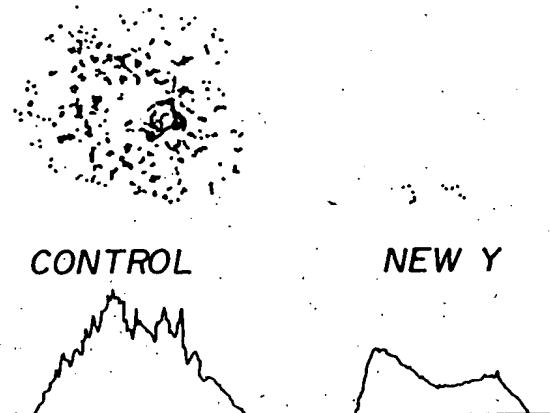


Fig. 4

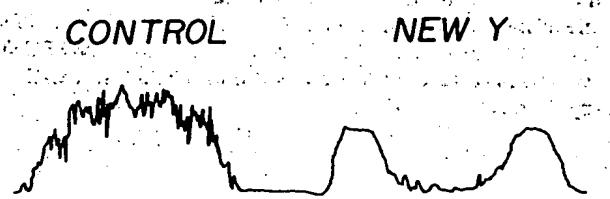
BLOOD TYPE A



BLOOD TYPE B



CONTROL

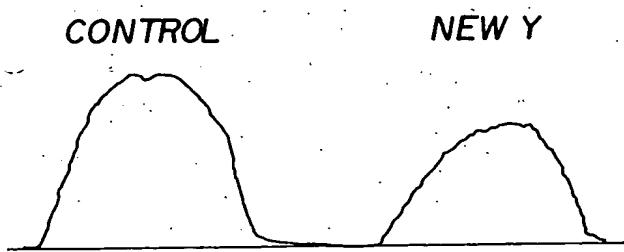


NEW Y

BLOOD TYPE O



CONTROL



NEW Y

Fig. 5

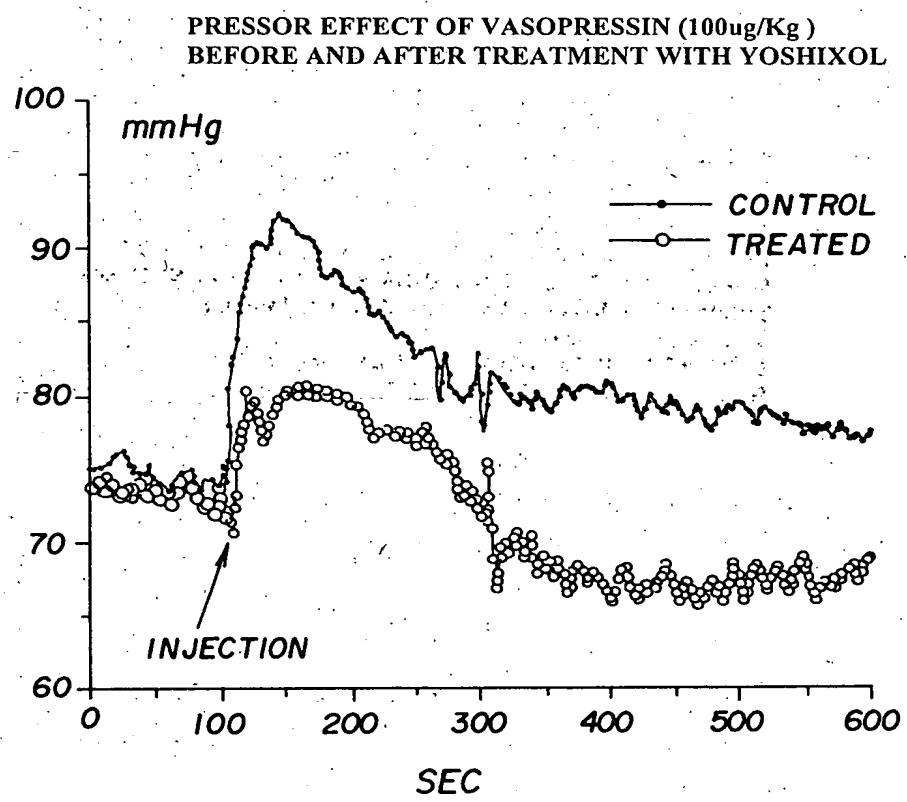


Fig. 6

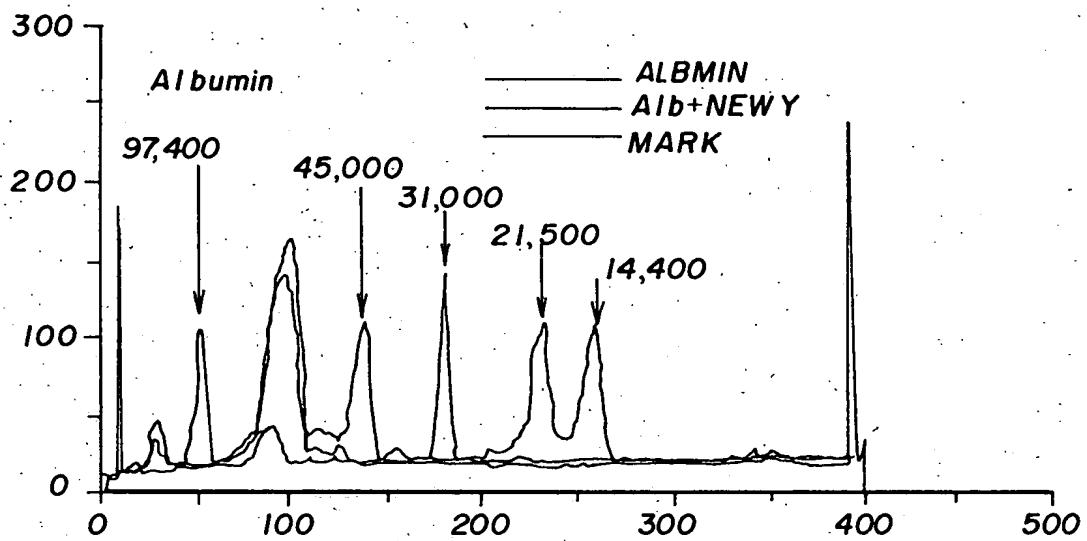


Fig. 7a

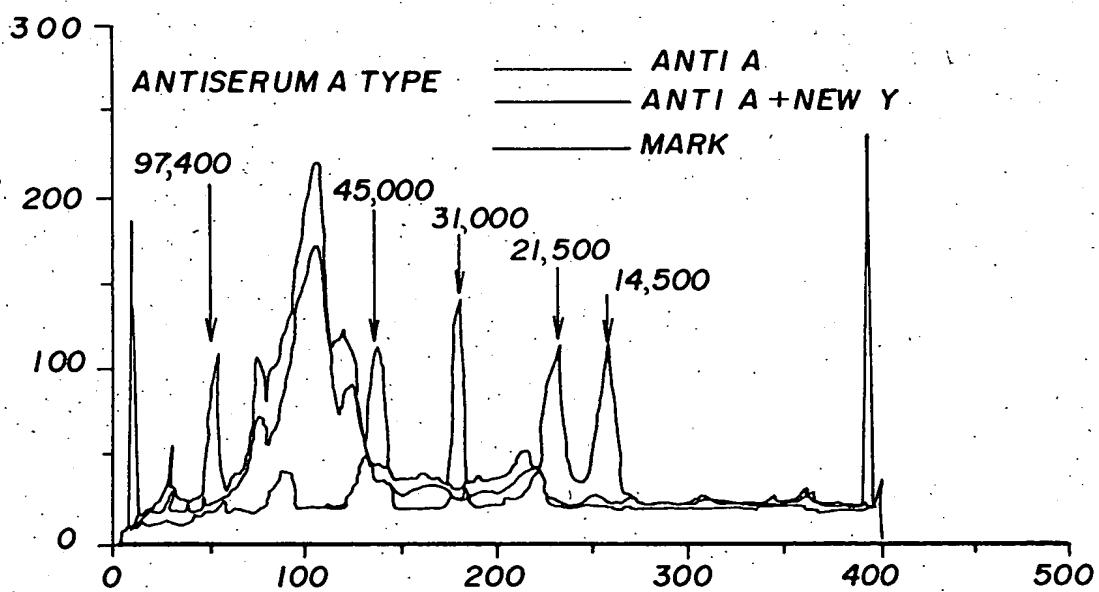


Fig. 7b

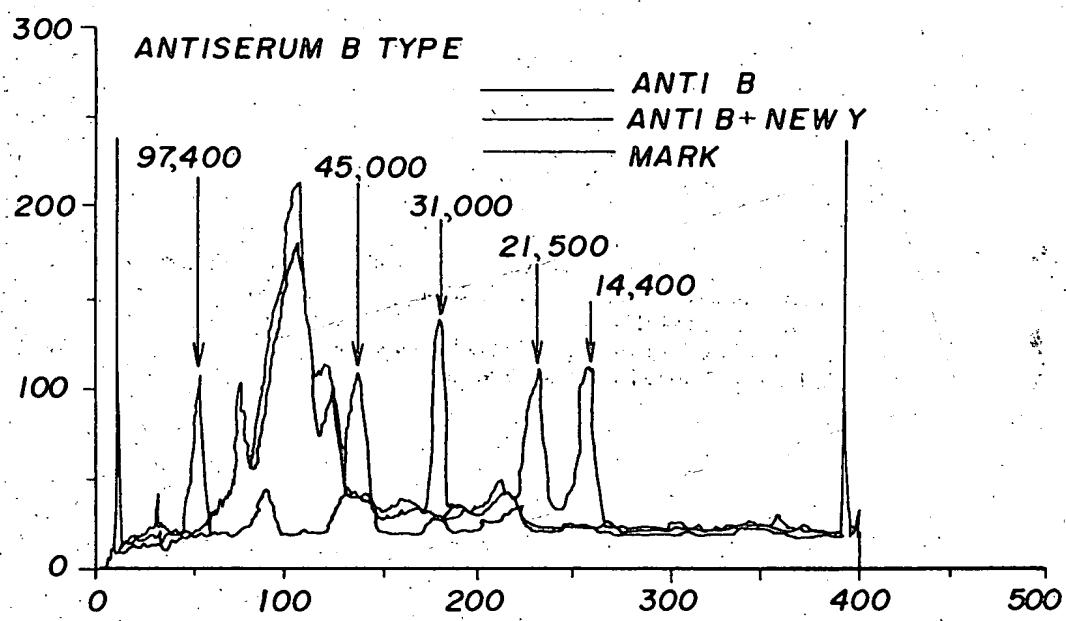


Fig. 7c

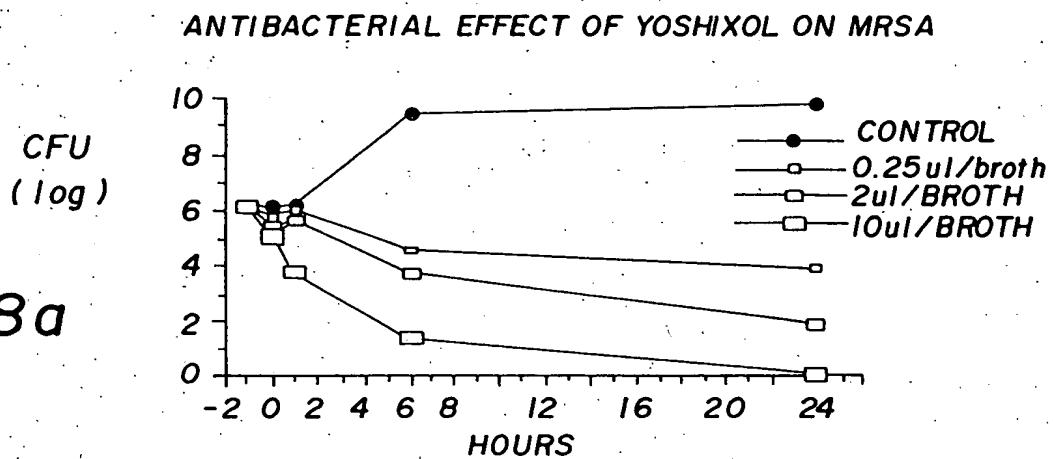


Fig. 8a

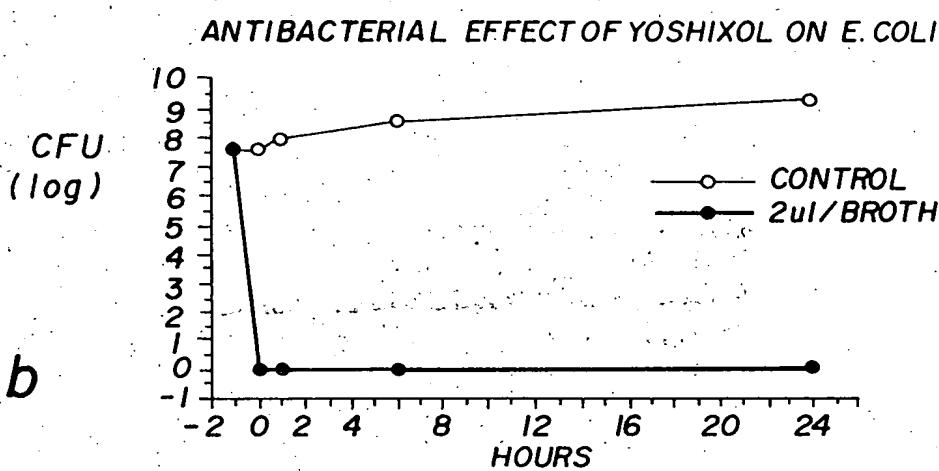


Fig. 8b

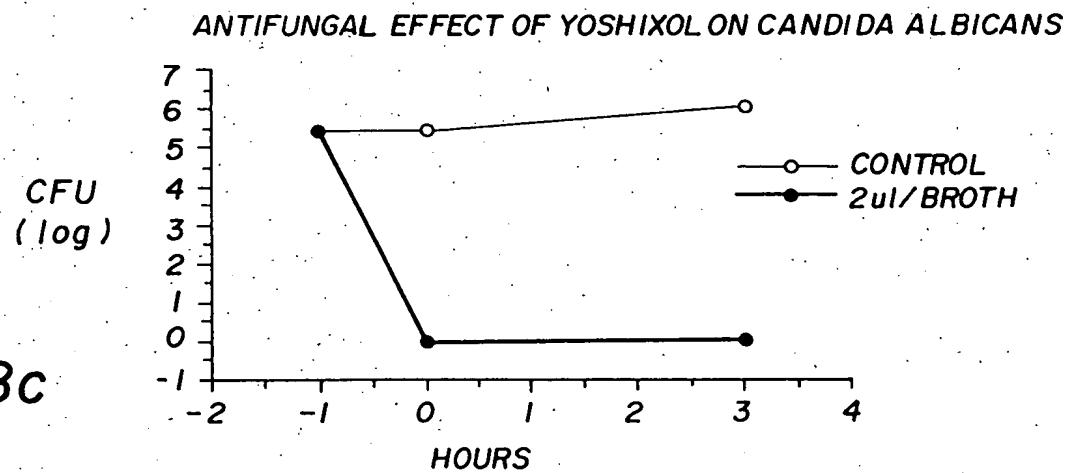


Fig. 8c



Fig. 9

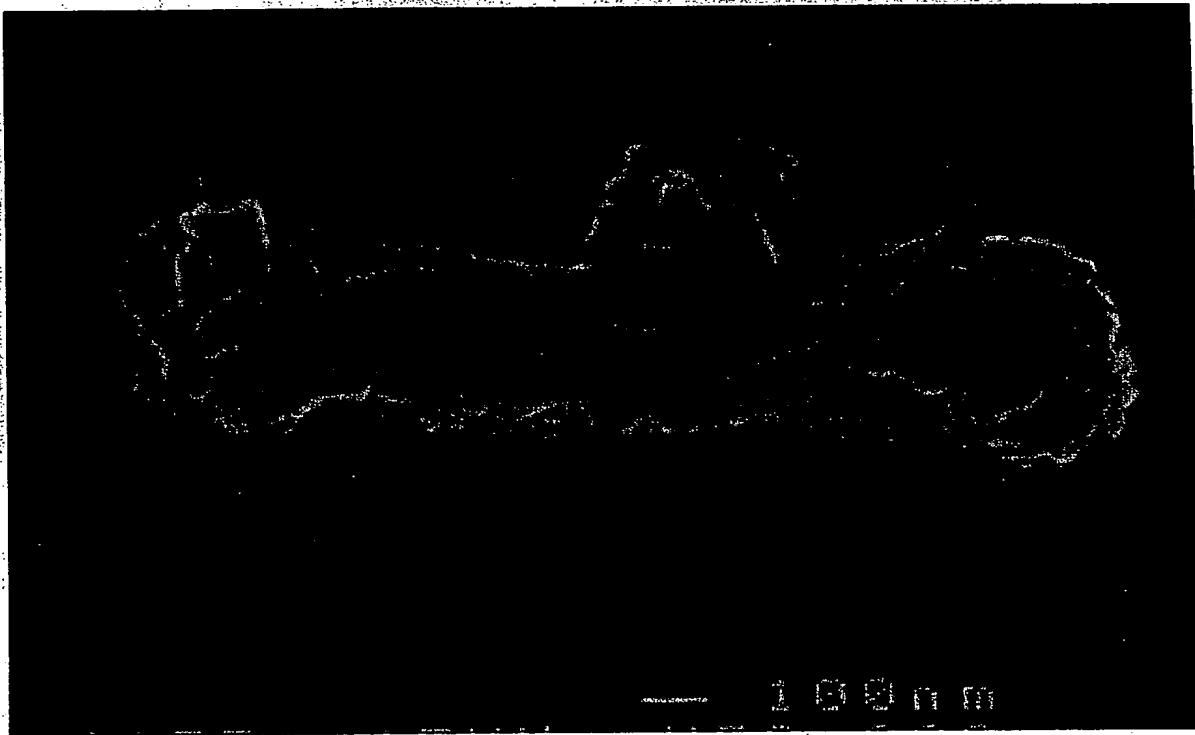


Fig. 10

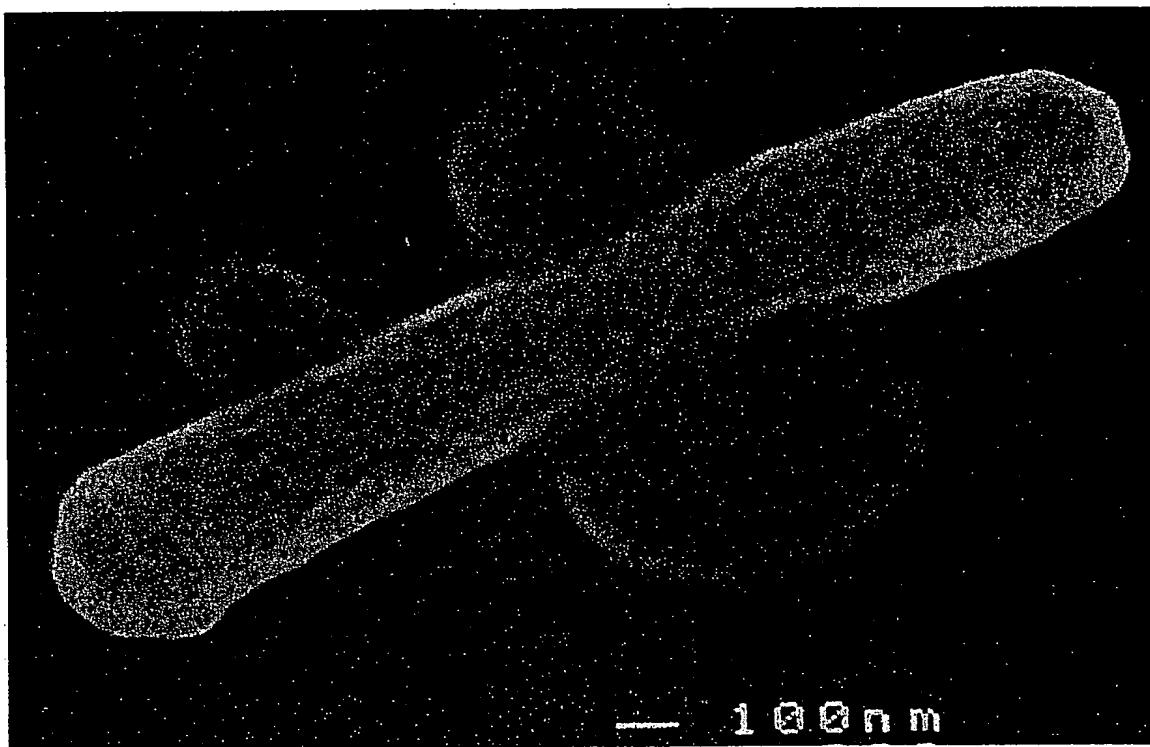


Fig. 11



Fig. 12

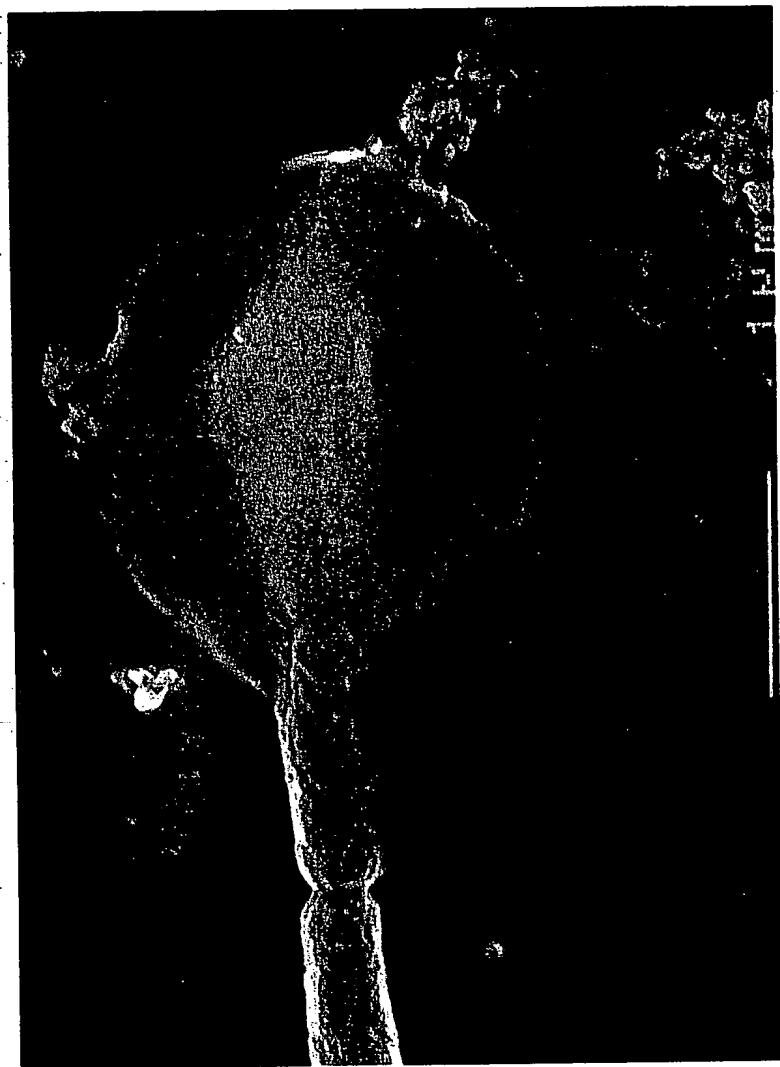


Fig. 13

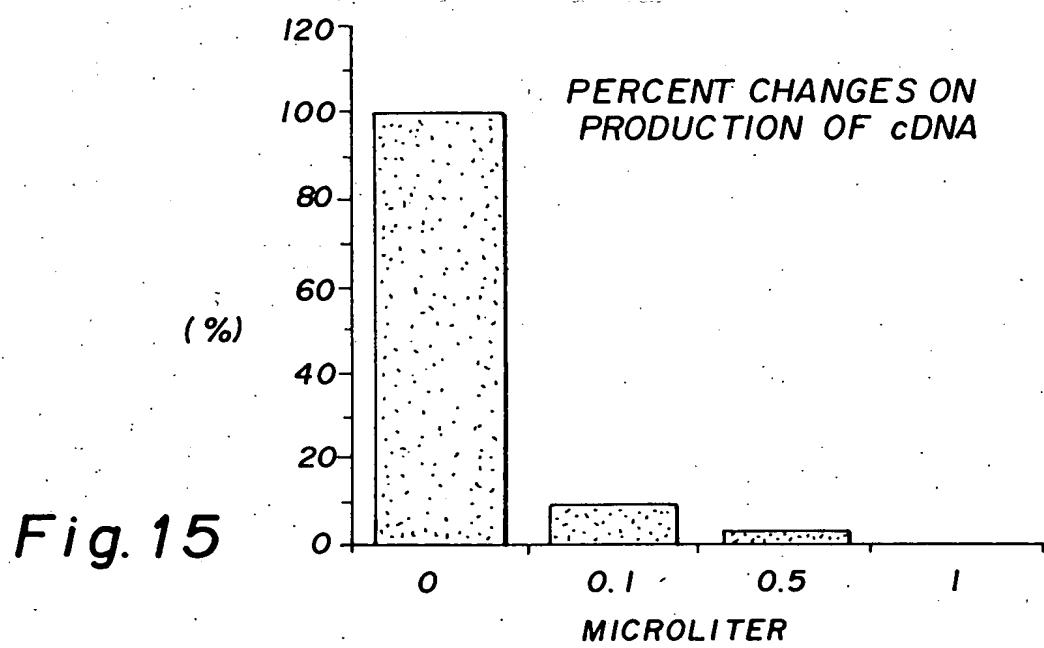
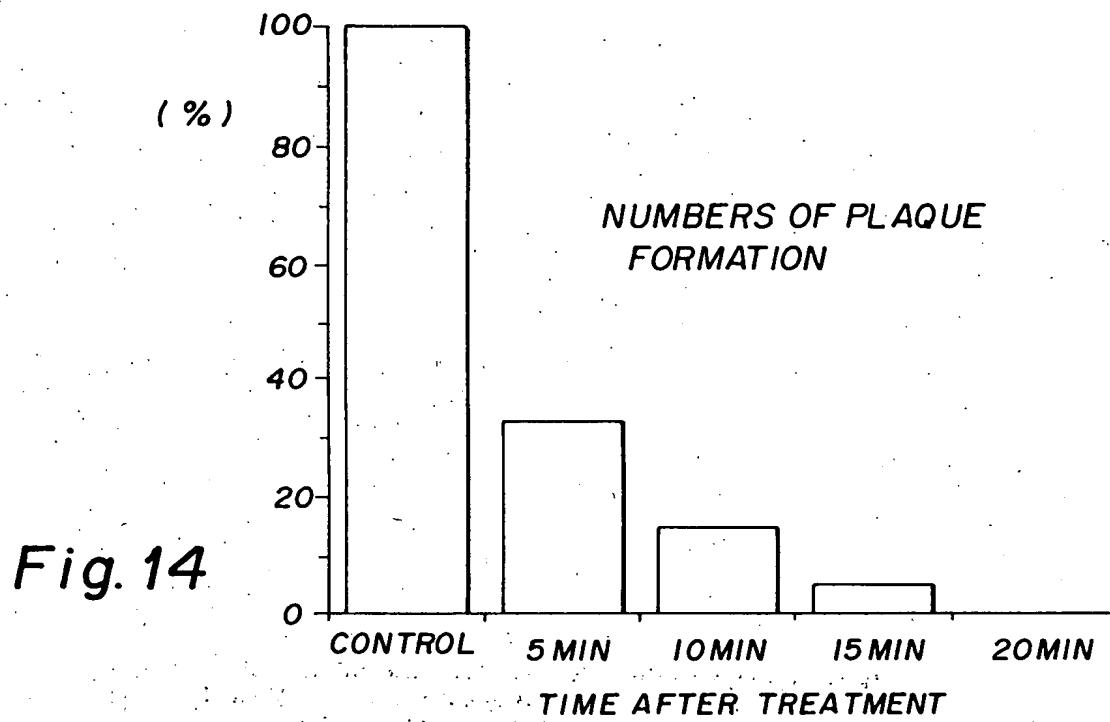
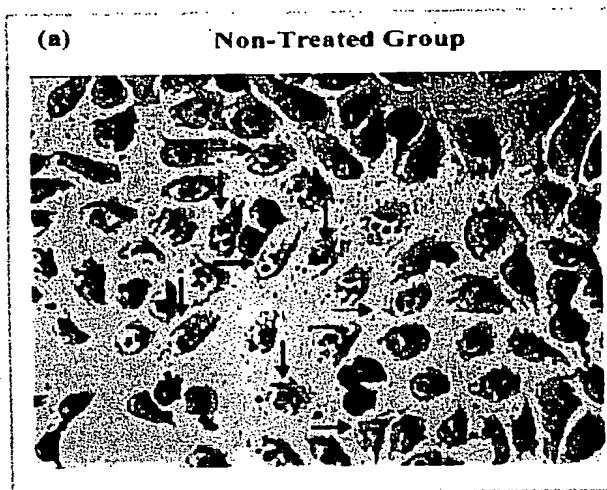


Fig. 16a



Phase contrast photomicrograph of non-treated group (x400 magnification). Cultured keratinocytes proliferate monologously and in order. There are no blank spaces between cells and intracellular spaces are filled with intracellular matrix. Many aspects of cell division as indicated by arrow (→) are also shown.



Phase contrast photomicrograph of treated group (x400 magnification). Cultured keratinocytes are irregularly arranged and intracellular matrix is not uniform. A number of cells which died (→), denatured or are dying (⇒) are observed.

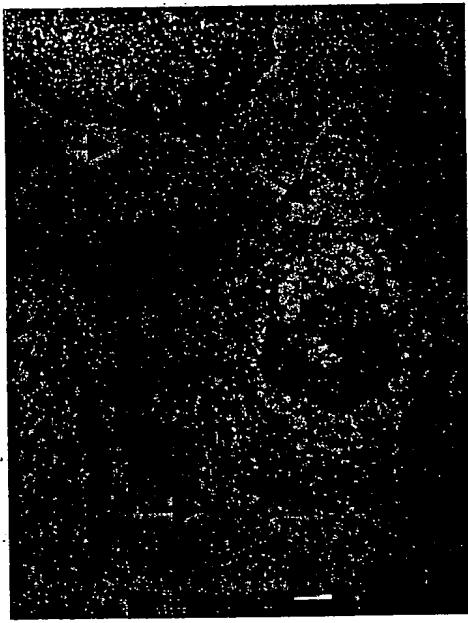
Fig. 16b

Fig. 17a



Transmission electron micrograph of cultured keratinocytes in non-treated group (x3000 magnification). Cells are adhered with extracellular matrix, via intracellular organella, and cell membranes.

Fig. 17b



Transmission electron micrograph of cultured keratinocytes in treated group (x3000 magnification). Destroying of intracellular organella (☆), destroying of cell membranes (→) are observed and adhesion between cells disappeared.

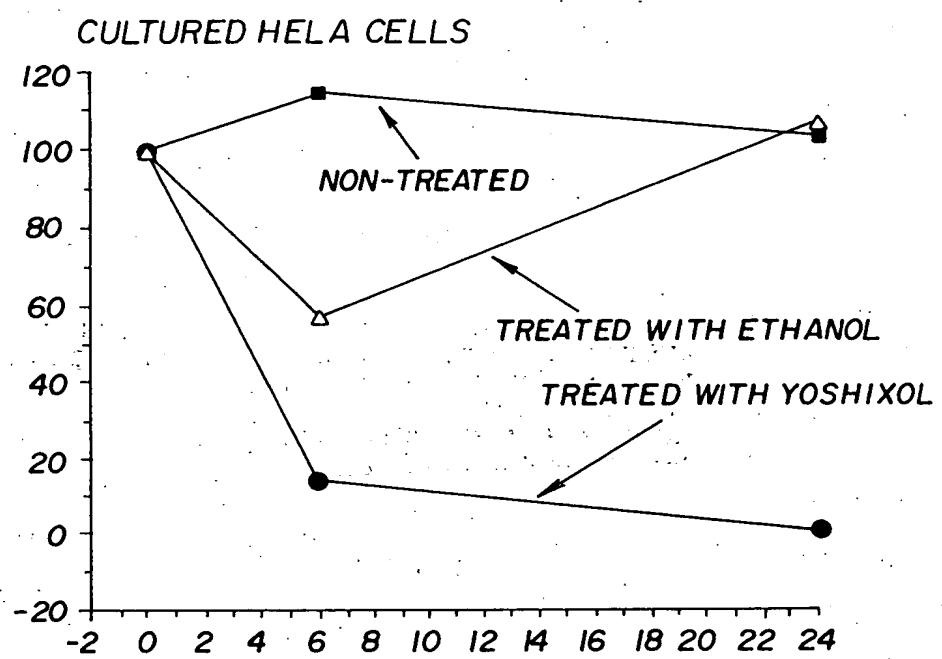
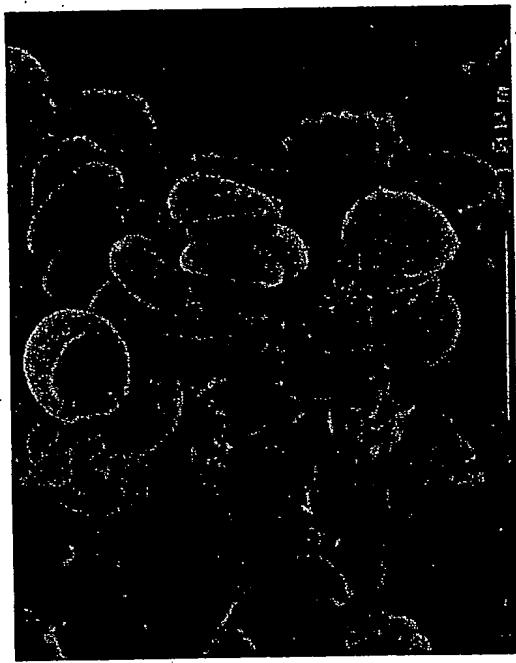


Fig. 18



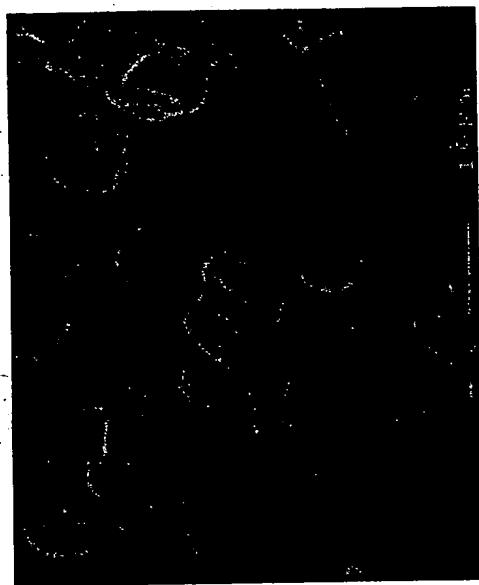
Fig. 19

Fig. 20a



Electron scanning micrograph of erythrocytes (x5000 magnification) in non-treated group. Surfaces of erythrocytes are covered with fibrin network like a web (\Rightarrow) and coagulation and/or aggregation of erythrocytes is severe. Further, erythrocytes being destroyed by rounding formation are observed.

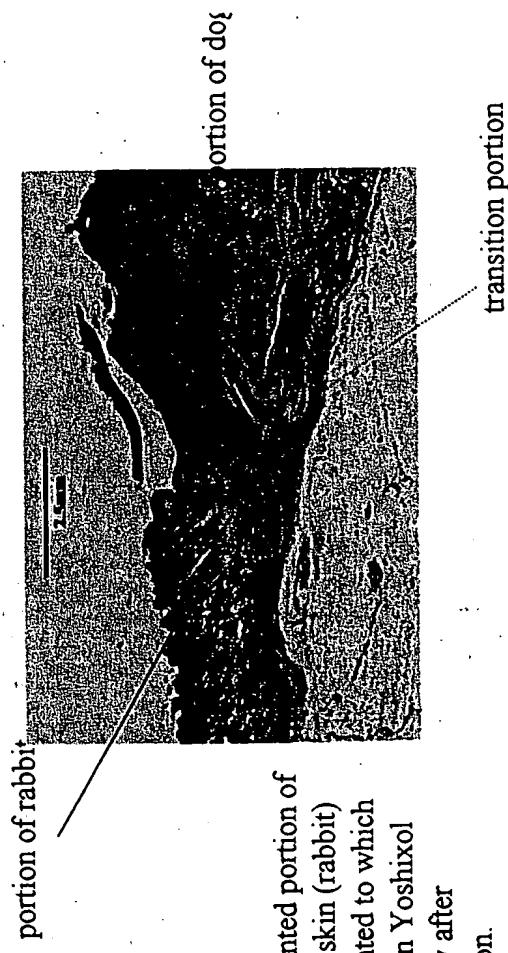
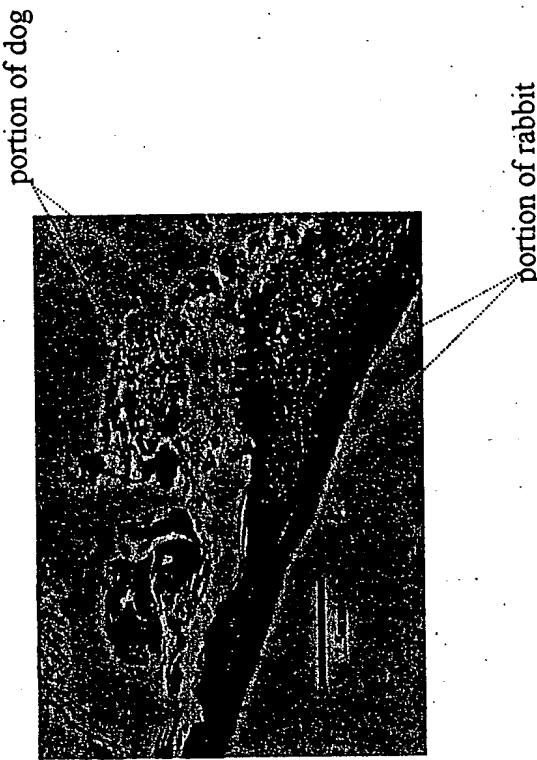
Fig. 20b



Electron scanning micrograph of erythrocytes (x5000 magnification) in treated group. Fibrin networks covering the surfaces of erythrocytes and coagulation and/or aggregation of Erythrocytes are not observed. Erythrocytes being destroyed are also observed.

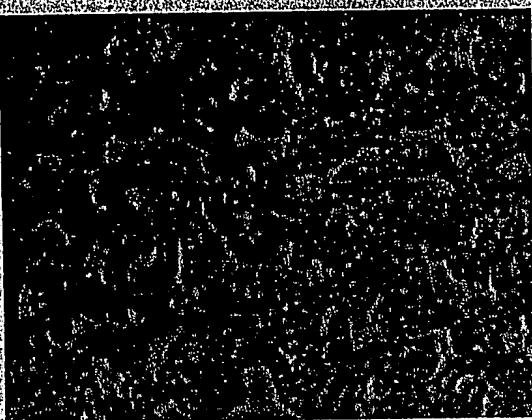
Fig. 21

Skin-transplanted portion of rabbit as donor skin (dog) was directly treated with Yoshixol.



Skin-transplanted portion of dog as donor skin (rabbit) was transplanted to which dog was given Yoshixol intravenously after transplantation.

Before treatment
with Yoshixol



After treatment
with Yoshixol

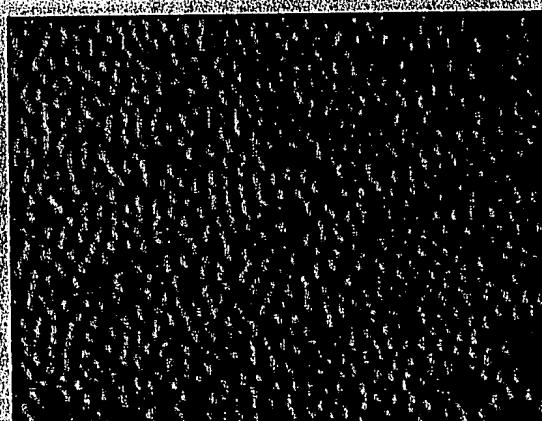


Fig. 22

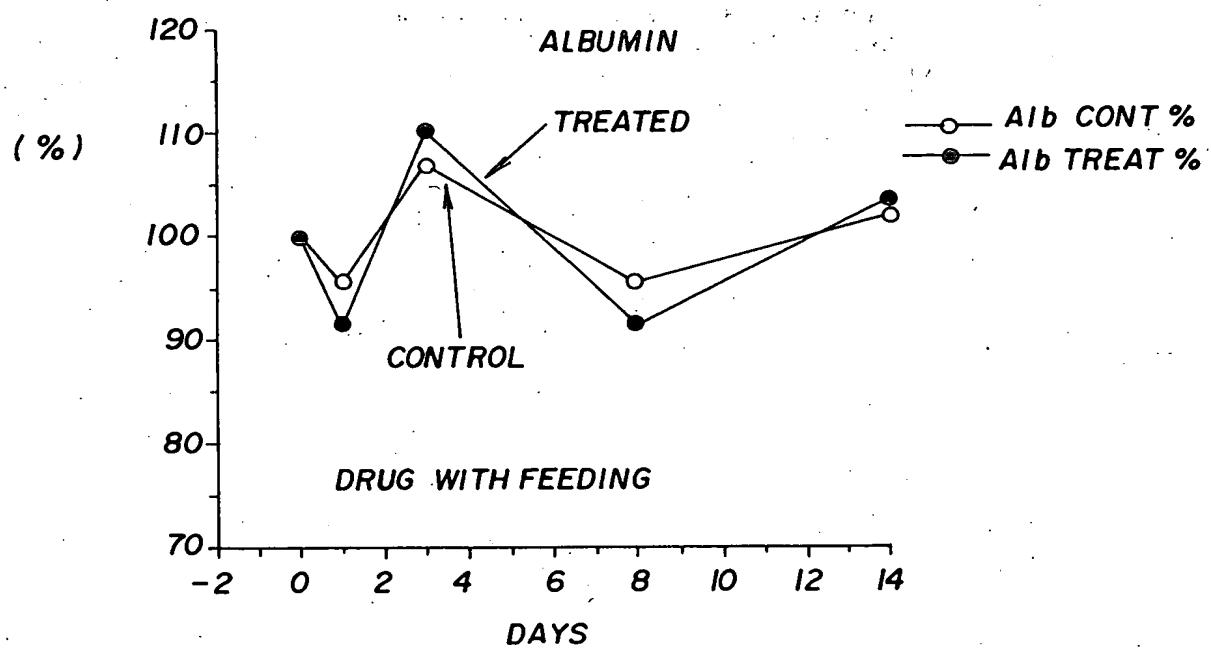
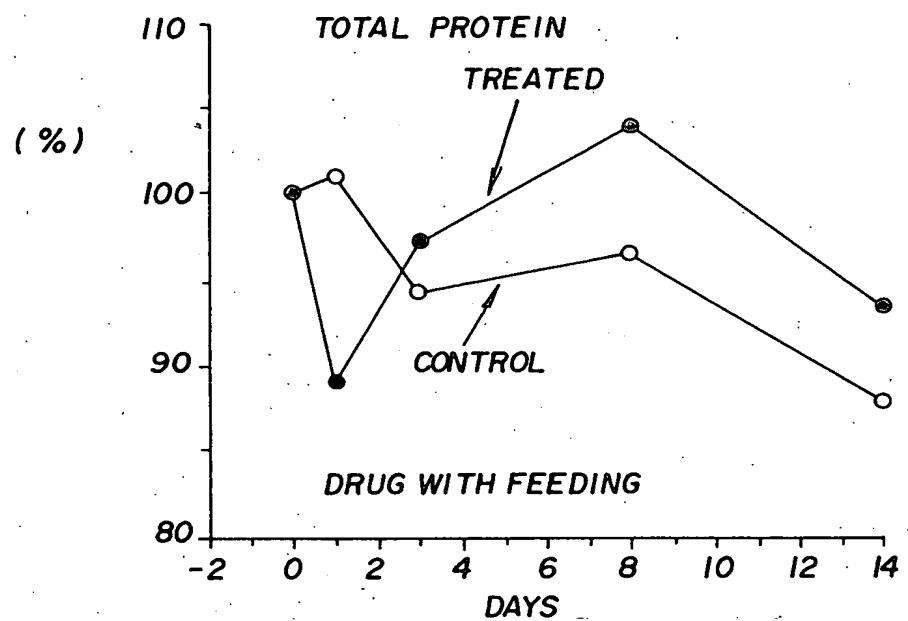


Fig. 23

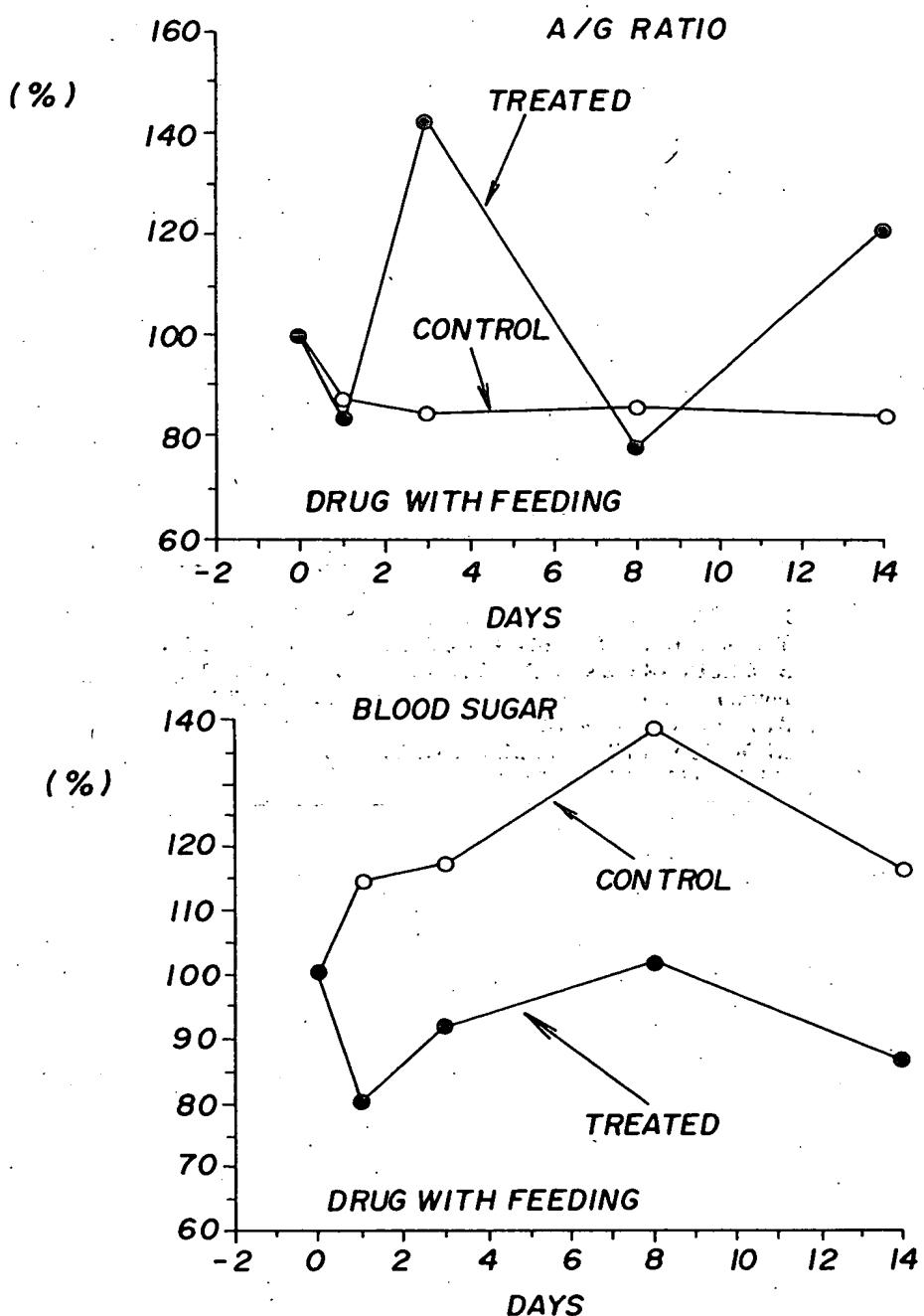


Fig. 24

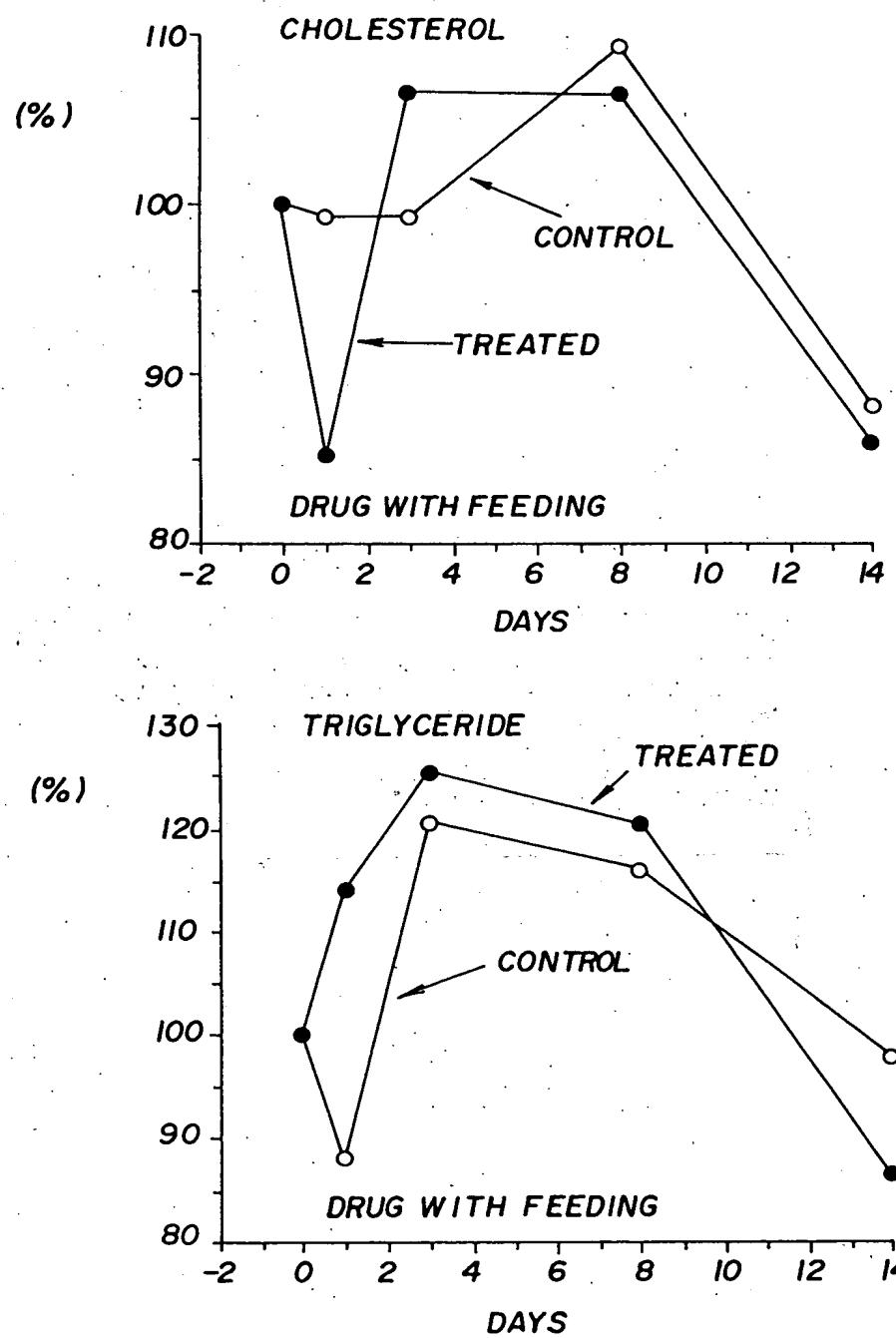


Fig. 25

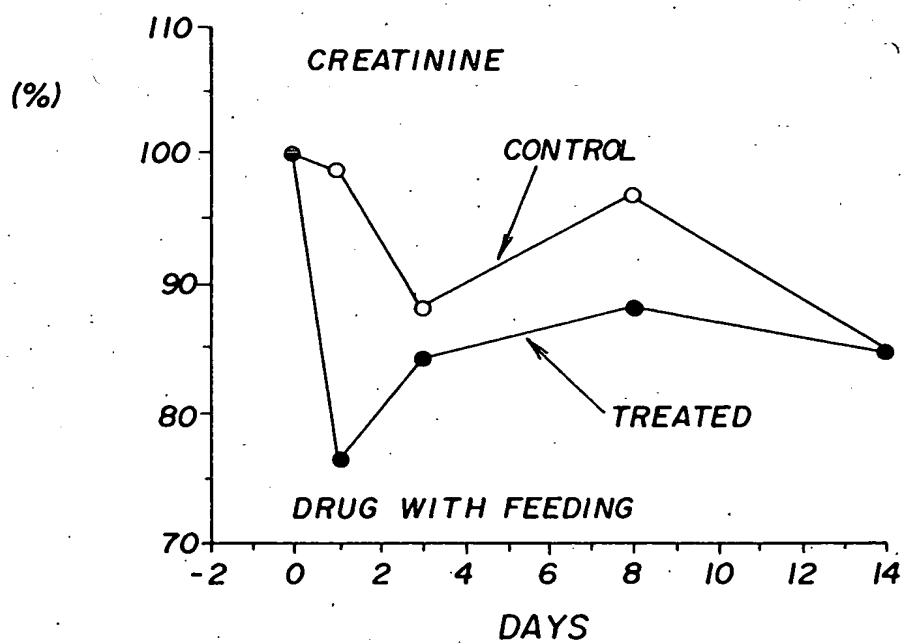
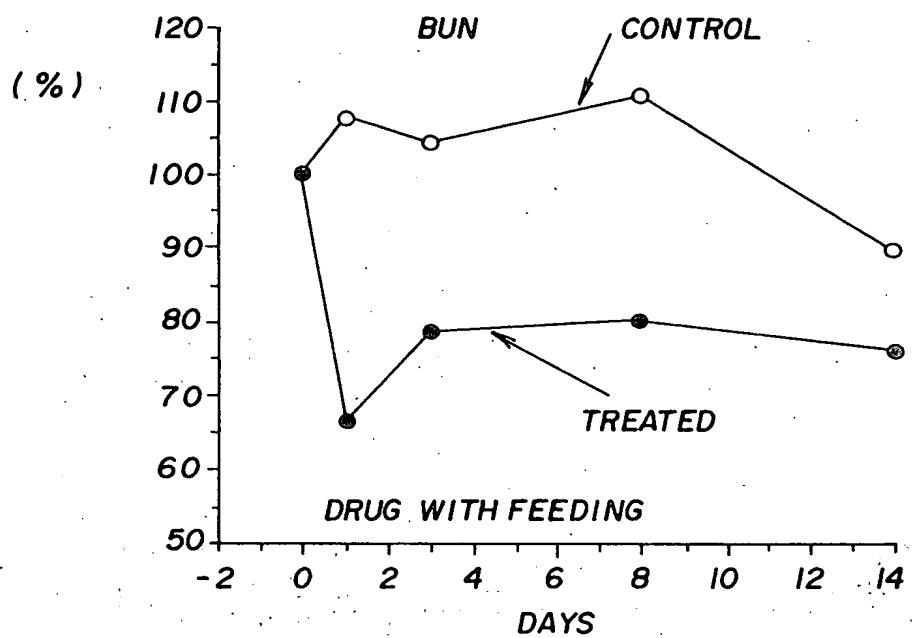


Fig. 26

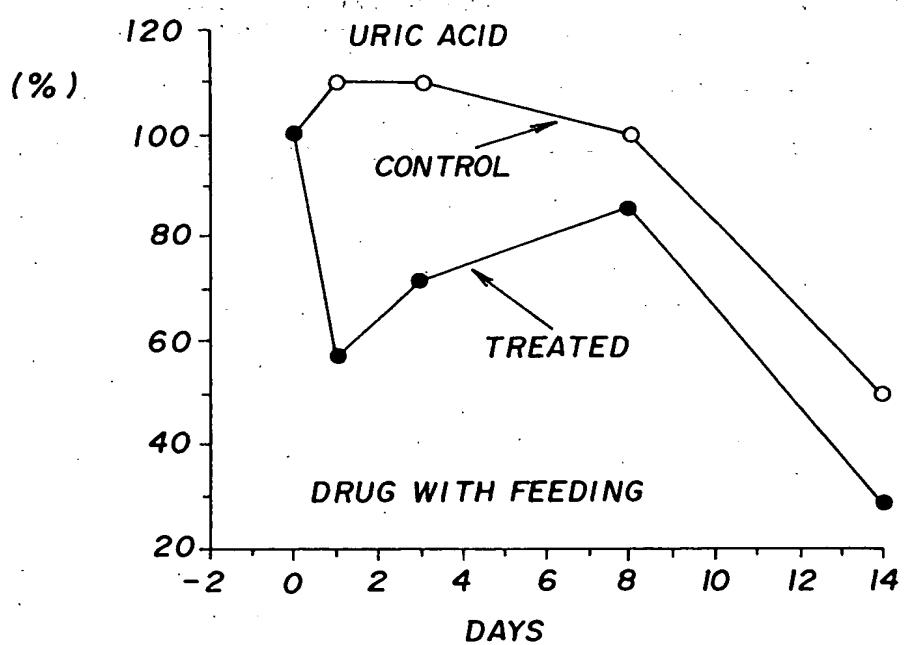
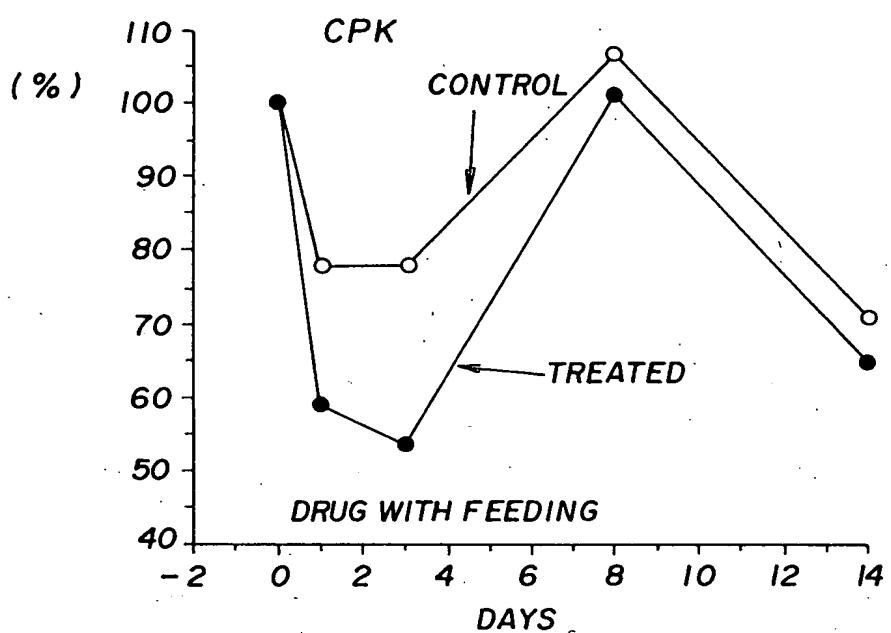
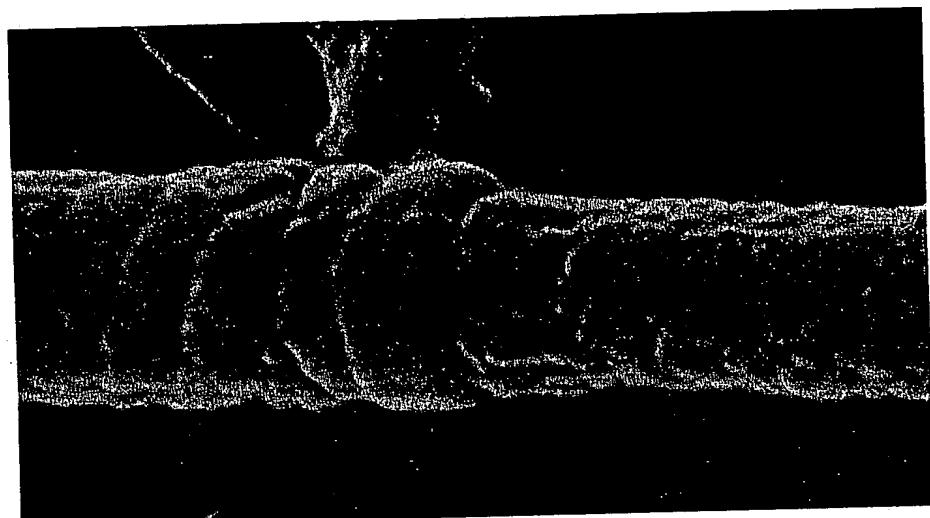


Fig. 27

Control



Treated

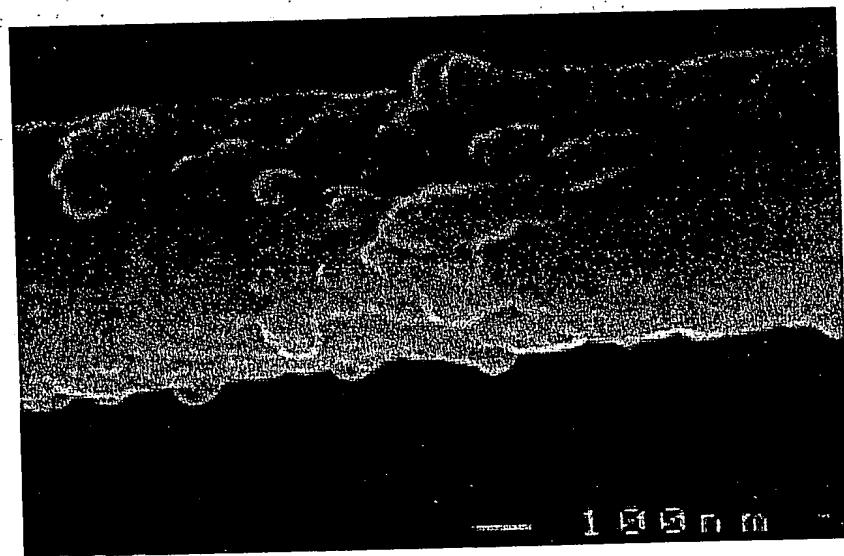
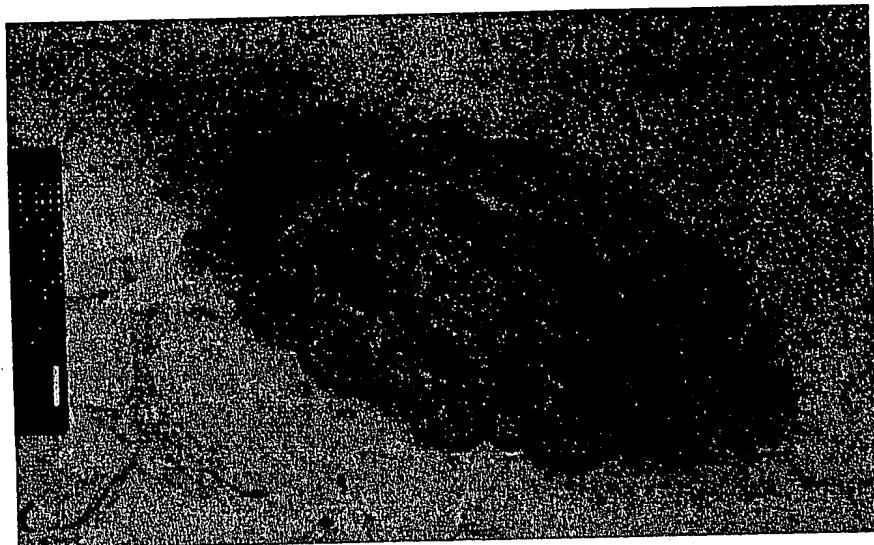


Fig. 28

Non-Treated



Treated



Fig. 29

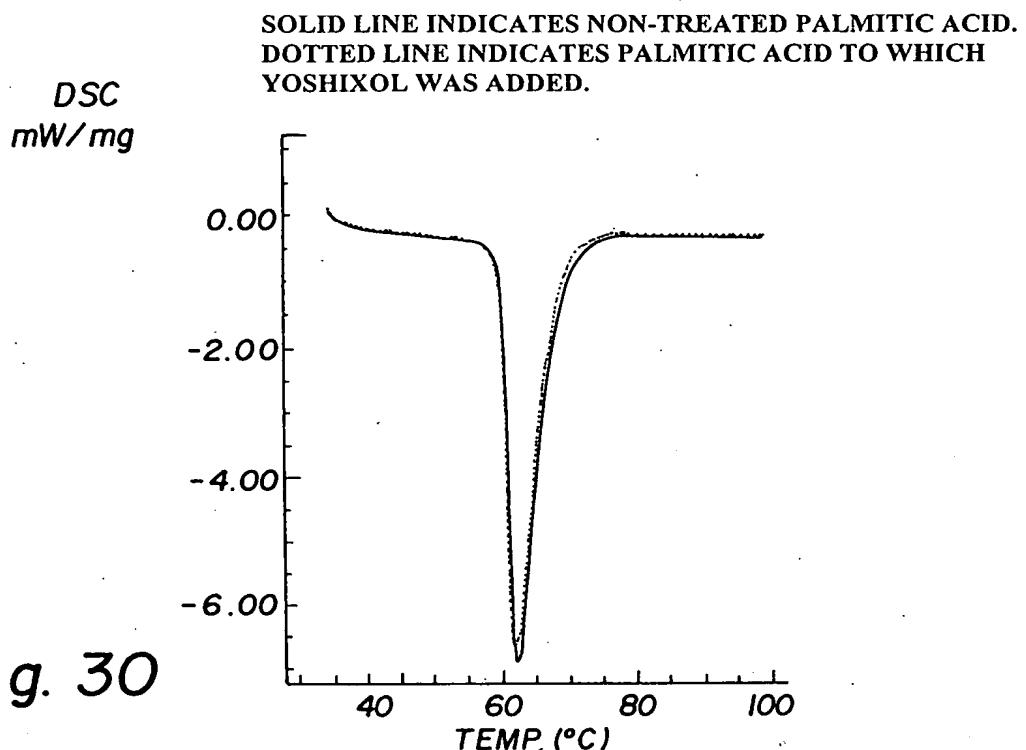


Fig. 30

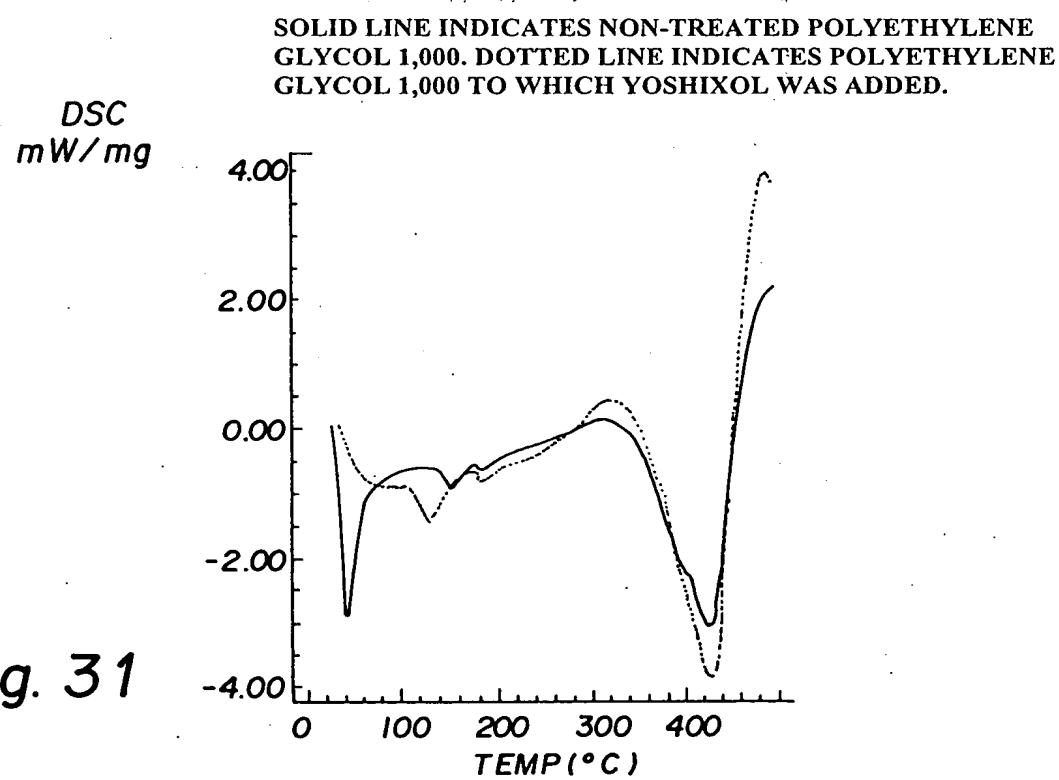


Fig. 31

SOLID LINE INDICATES NON-TREATED POLYSTYRENE
28,000 . DOTTED LINE INDICATES POLYSTYRENE
28,000 TO WHICH YOSHIXOL WAS ADDED.

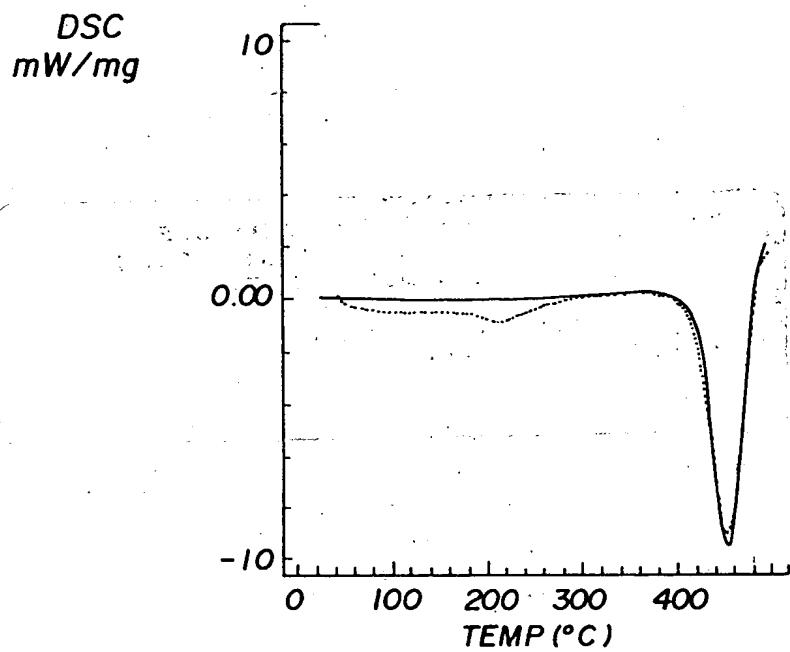


Fig. 32

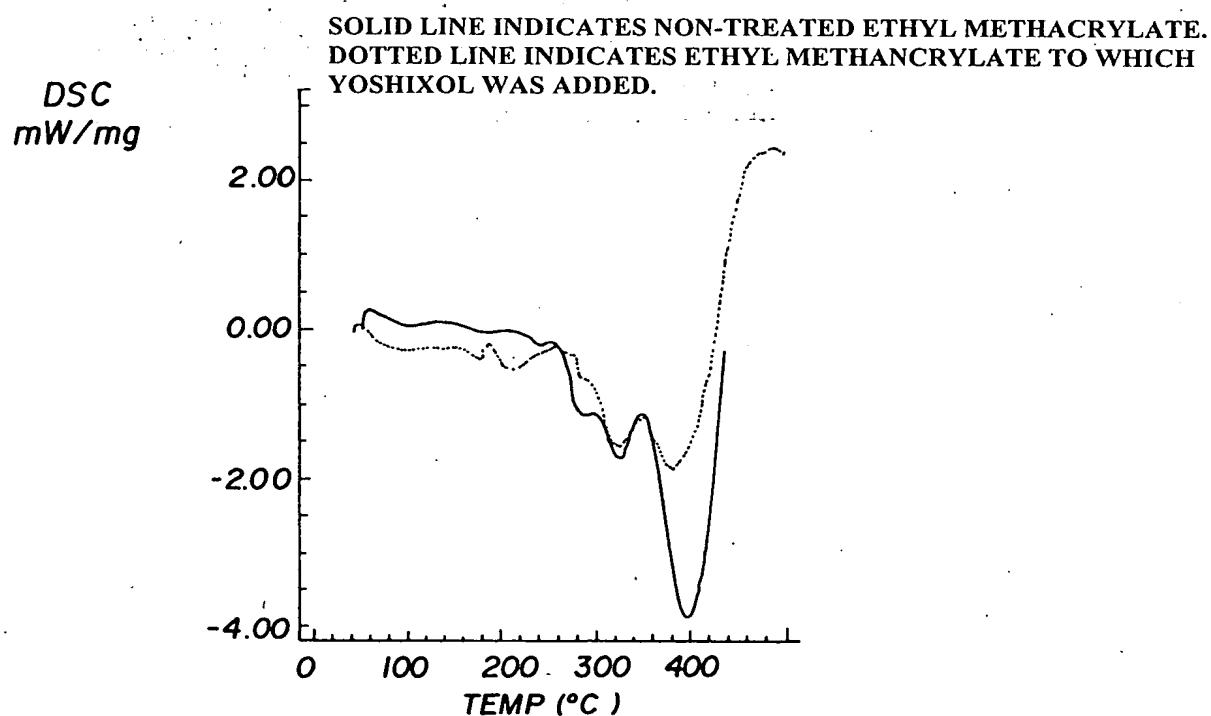
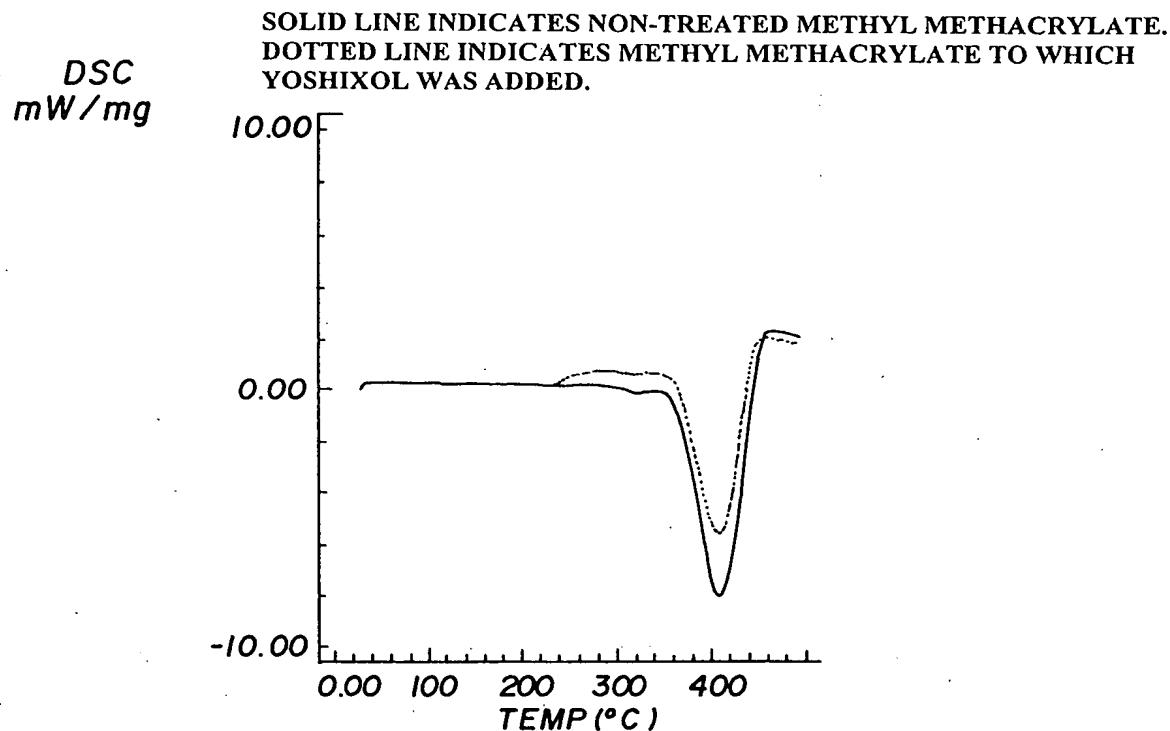


Fig. 33

SOLID LINE INDICATES NON-TREATED ISOBUTYL
METHACRYLATE. DOTTED LINE INDICATES ISOBUTYL
METHACRYLATE TO WHICH YOSHIXOL WAS ADDED.

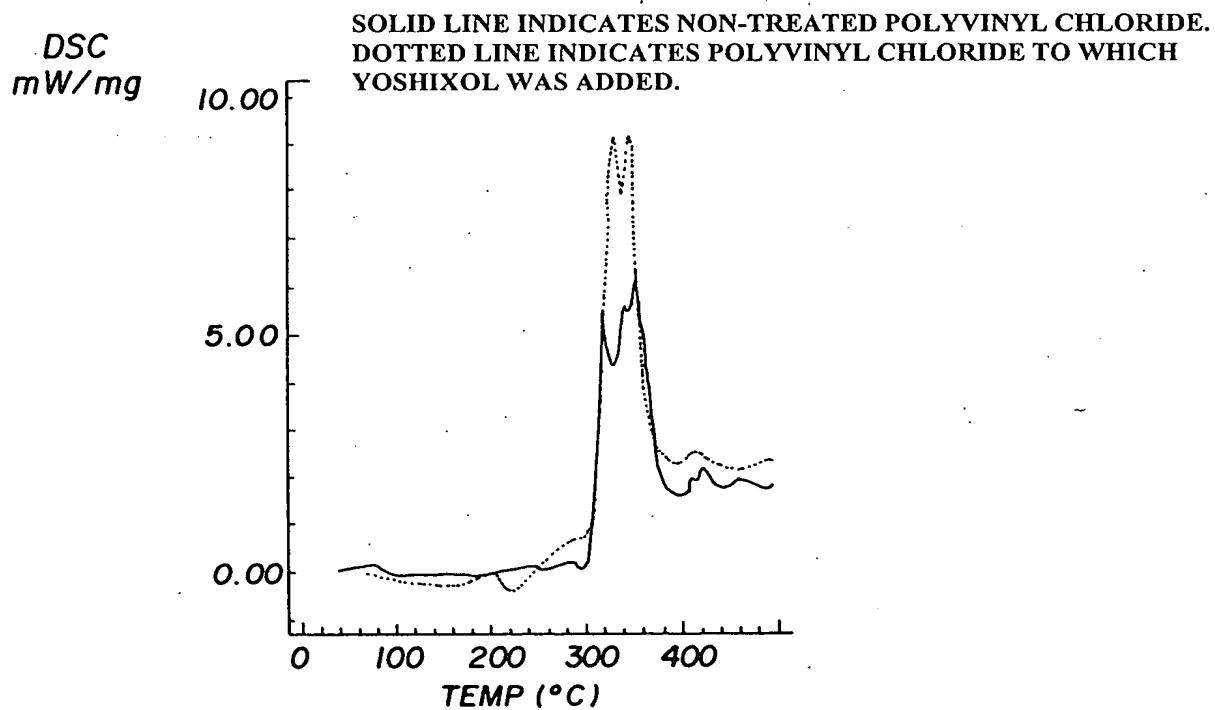
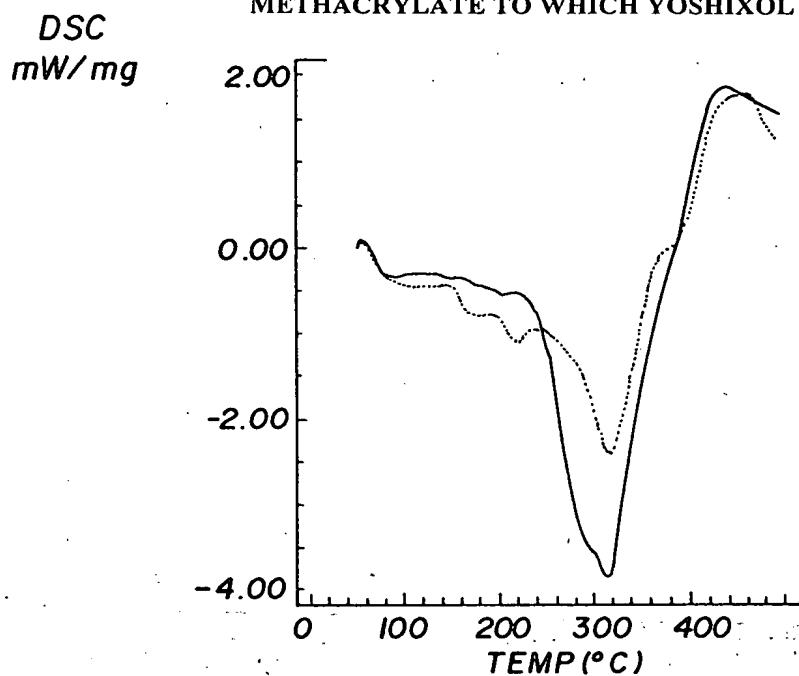


Fig. 34

SOLID LINE INDICATES NON-TREATED POLYETHYLENE GLYCOL 4000. DOTTED LINE INDICATES POLYETHYLENE GLYCOL 4000 TO WHICH YOSHIXOL WAS ADDED.

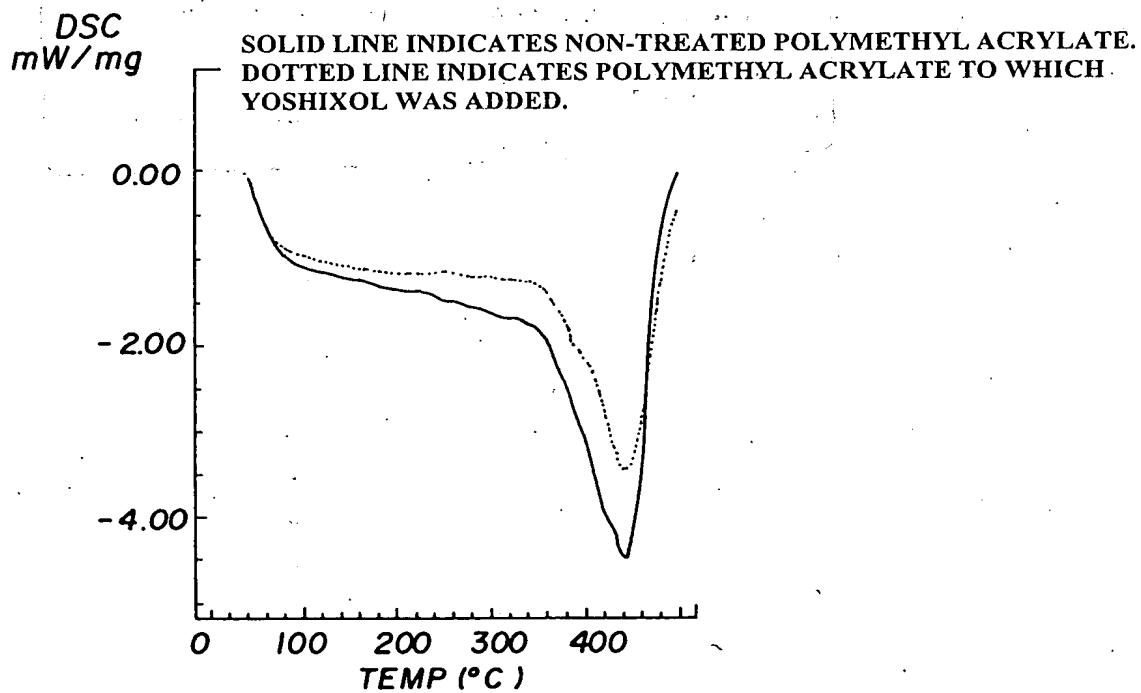
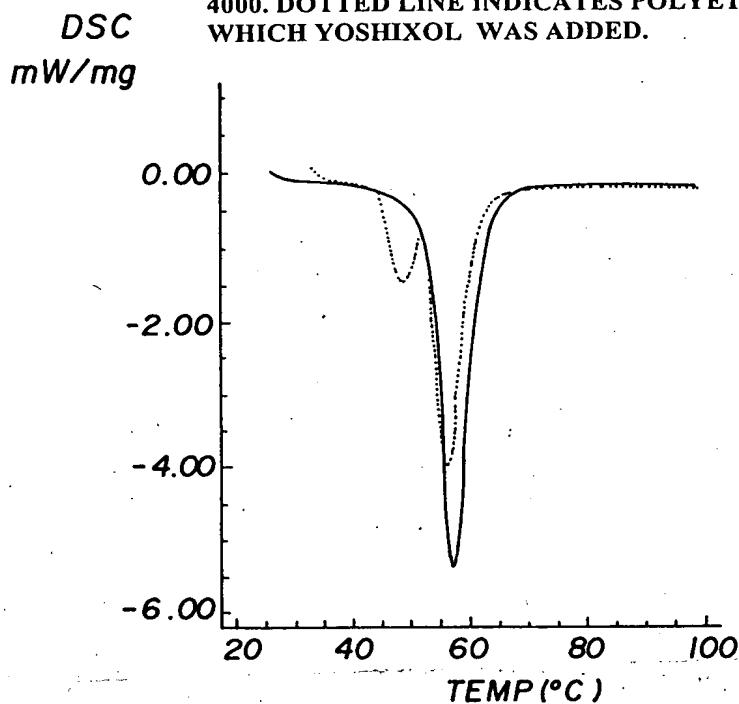


Fig. 35

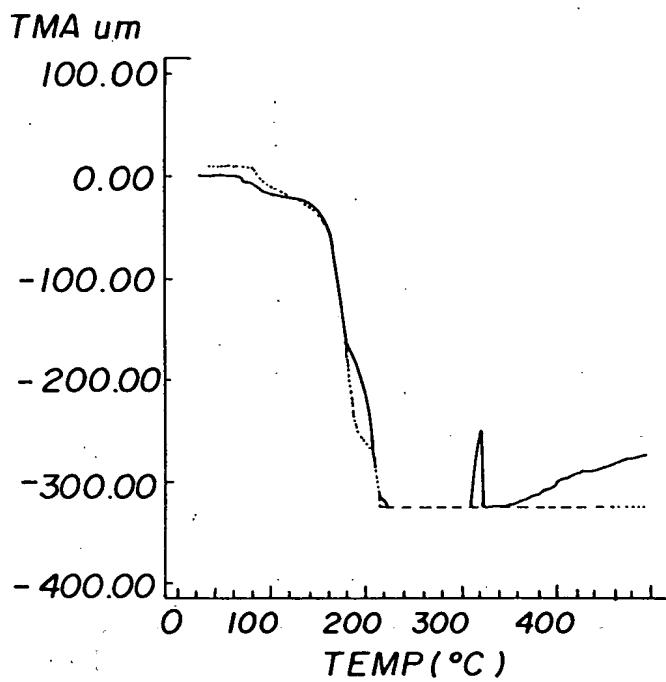


Fig. 36

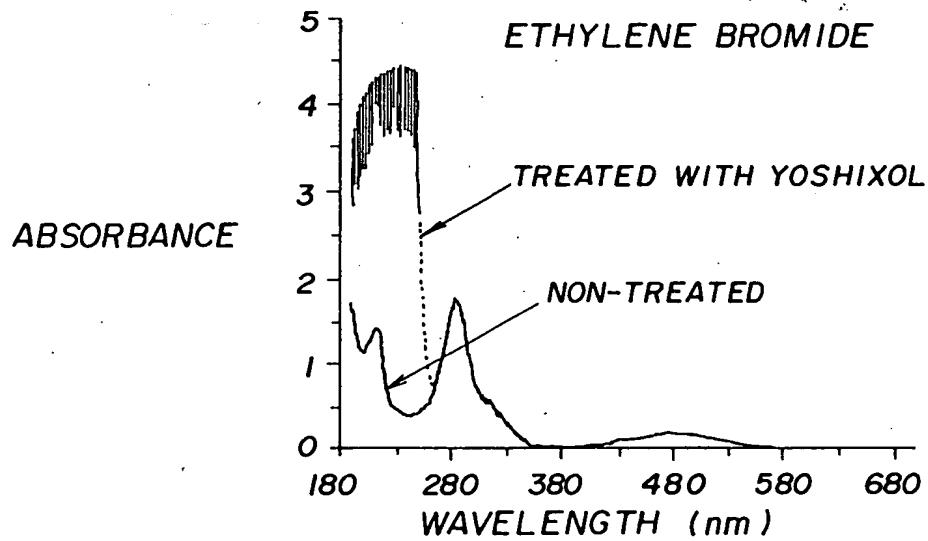


Fig. 39

Synthesis #1



Synthesis #2



Fig. 37

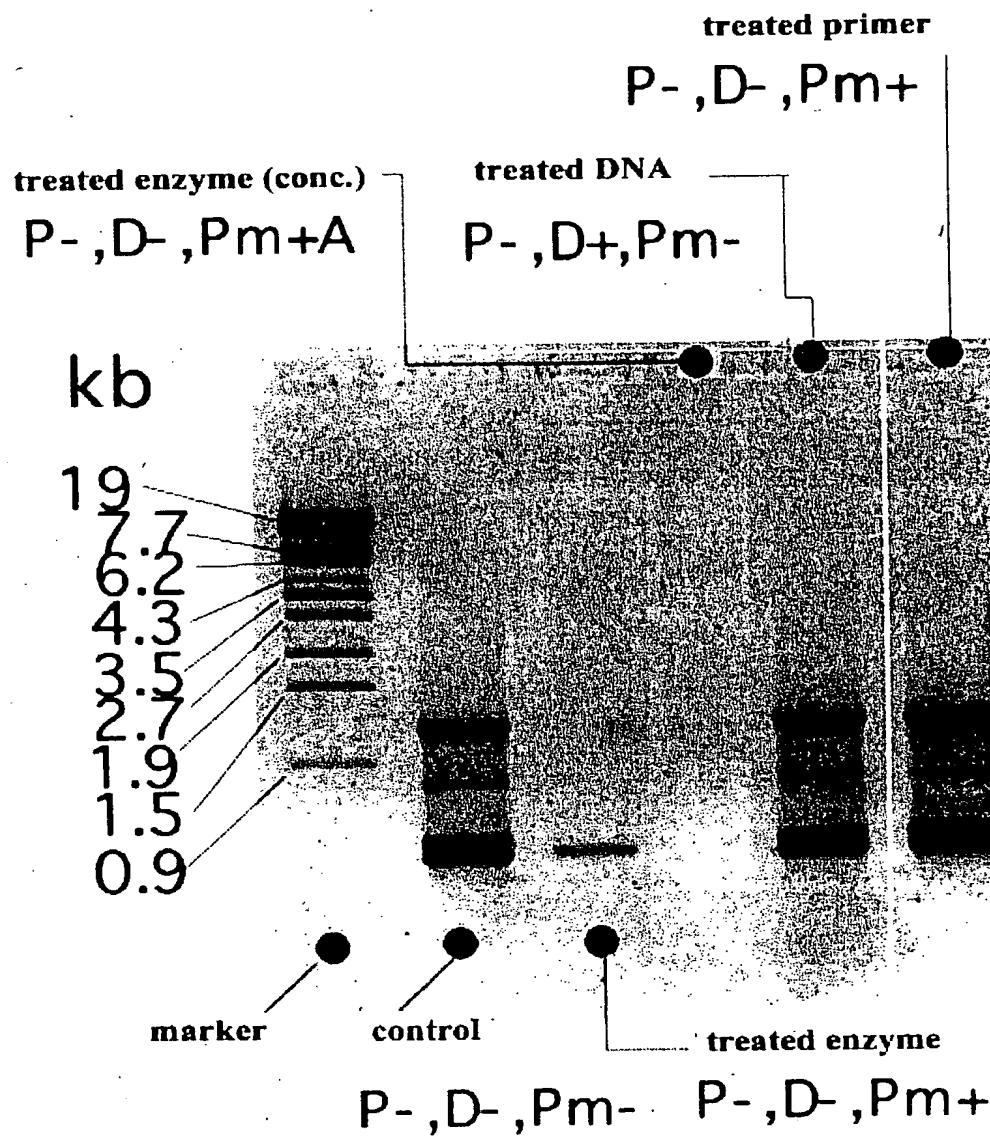


Fig. 38